



LAWRENCE
LIVERMORE
NATIONAL
LABORATORY

Editorial

John Knezovich, Tom Brown, Bruce Buchholz, Bob Finkel, Tom Guilderson, Michael Kashgarian, Greg Nimz, Ted Ognibene, Scott Tumey, John Vogel

August 13, 2007

10th International Conference on Accelerator Mass
Spectrometry
Berkeley, CA, United States
September 5, 2005 through September 10, 2005

Disclaimer

This document was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor the University of California nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or the University of California, and shall not be used for advertising or product endorsement purposes.

Editorial

The Tenth International Conference on Accelerator Mass Spectrometry (AMS-10) was held from September 5-10 at the University of California, Berkeley campus. The conference attracted 305 attendees from 26 countries who gave 144 platform presentations and presented a total of 170 posters. The conference opened with a special tribute to the late Roy Middleton, which was followed by a companion session on “ion sourcery.” A plenary talk by Wally Broecker on his “53 years in the Radiocarbon Trenches,” provided thought-provoking challenges to commonly accepted paradigms. A workshop on issues in the estimation of isotopic ratios and evaluations of activities from AMS measurements preceded the conference and a workshop on AMS in low-dose bioscience concluded it.

Conference attendees had ample opportunity to sample local sights and mid-week excursions to the Napa Valley wine region and the Monterey Bay Aquarium were well attended. The social highlight of the conference was a dinner cruise on San Francisco Bay aboard the *San Francisco Belle*, which toured the bay on a clear evening and afforded spectacular views of the city front as well as the Bay and Golden Gate bridges.

The proceedings of AMS-10 contain 140 peer-reviewed papers that detail recent developments in AMS technology and a broad range of scientific applications. The editors worked to ensure that these contributions represent original research that has not been published elsewhere. We are grateful to the many outside reviewers who provided thoughtful consideration and suggestions in their reviews of these manuscripts.

The staff of the Center for Accelerator Mass Spectrometry at the Lawrence Livermore National Laboratory wishes to thank the many members of the international AMS community in allowing us to organize this conference. We are particularly grateful to the University of California’s Toxic Substances Research Program, which provided key assistance with conference administration.

John Knezovich
Tom Brown
Bruce Buchholz
Bob Finkel
Tom Guilderson
Michaele Kashgarian
Greg Nimz
Ted Ognibene
Scott Tumey
John Vogel

Guest Editors

This work was performed under the auspices of the U.S. Department of Energy by University of California, Lawrence Livermore National Laboratory under Contract W-7405-Eng-48.